



The

The GARzette



The Official Newsletter of the Gwinnett Amateur Radio Society
September 2018 <http://www.gars.org/> Volume 27, Issue 9

Getting Started With D-STAR

Application 1

Digital voice (DV mode)

Analog audio is modulated to a digital signal and transmitted in the digital mode signal by the D-STAR radio.



Internet connection*

The Internet gateway allows linking of D-STAR repeater sites over the Internet. You can uplink to your local repeater and downlink from a remote repeater, even from a foreign country!



Application 5

IP camera (DD mode)

You can transmit live images in DD mode and watch real-time images from a remote location.



Application 2

Short data message (DV mode)

HELLO



Application 3

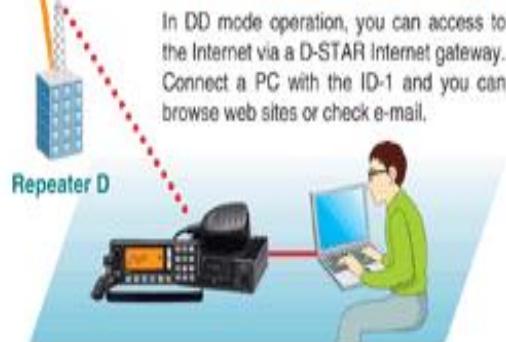
GPS tracking (DV mode)

With a GPS receiver, you can send your current position information to another radio.

Application 4

Internet access (DD mode)*

In DD mode operation, you can access to the Internet via a D-STAR Internet gateway. Connect a PC with the ID-1 and you can browse web sites or check e-mail.



- Internet
- DV mode (4.8kbps)
- ***** DD mode (128kbps)

* Some restrictions may apply depending on specific countries' regulations.

GARS September 18 Workshop

Message from the President

With the passing of the Labor Day holiday, Fall is in the air. We've already had a taste of lower humidity and cooler temps (if you can call the 80s cooler) just in time for the Fall Dog Show. Speaking of Dog Shows, this one was a good one.

It was great to see some new faces helping out and we can always count on the those who come out for most of our events. GARS could not function without all of the volunteer hours from our members. As always, a special thanks to David, KA4KKF, for organizing and leading the Dog Show support.

We do see some changes on the horizon for our main fundraising event coming on the Spring. The next Dog Show will take place at the Gwinnett Fairgrounds. That will make for a definitely shorter commute and more members should be able to sign up to help. Stay tuned for announcements with more details on the Spring Dog Show.

For those you made the trek to the Huntsville Hamfest, it was another good one. Plenty of GARS members were on hand and as usual, get togethers included a great lunch a short walk away and dinner at Huntsville's best German restaurant. The Huntsville Hamfest is known for its great forums and this year was no exception. It's great that they can draw on local talent in the space and high tech industries in the area.



"It was great to see some new faces helping out and we can always count on the those who come out for most of our events."

We're just a couple of months away from the Alford Memorial Radio Club Hamfest at the Gwinnett Fairgrounds in November. I'm sure advance tickets will be on sale at the next two meetings

We still have several events before the end of the year including some great meeting programs and the Holiday Party in December. Don't forget to be getting your best

projects you've completed during the year for the "Massive Homebrew Show and Tell" program. We've enjoyed some great programs brought to us by Randy, N4COR, our Program Chairman.

See you at the next meeting and on the air!

73,

**WB4QDX, Club
President**

A handwritten signature in black ink, appearing to read "John Adams".

"It is not the class of license the Amateur holds, but the class of the Amateur that holds the license."

[Author Unknown]

GARS September Meeting and Workshop

Learn More About the EAA

by Joel Levine, WA4HNL
Tuesday, September 11, 2018 7:00 pm

Getting Started With D-STAR

by John Davis, WB4QDX
Tuesday, September 18, 2018 7:00 pm

Sports Aviation Complex—Hangar 1
690 Airport Road
Lawrenceville, GA 30045

[Directions to EAA Hangar](#)

INSIDE

"By the Numbers"	Pg 4
GARS Member Recognition..	Pg 5
GARS Happenings.....	Pg 6
Beginner's Corner	Pg 7
Gwinnett ARES Highlights ...	Pg 8
Net Manager's Corner	Pg 9
GARS Membership Page.....	Pg 10
GARS Meeting Minutes	Pg 12
Contests and Hamfests	Pg 13
GARS Event Schedule	Pg 14
VE Testing / Schedules	Pg 15

GARS Communications

<u>2 Meter Repeaters</u> 147.075(+) MHz Tone 82.5 147.255(+) MHz Tone 107.2	<u>6 Meter Repeater</u> 53.110 (-1 MHz) No Tone (Offline for Maintenance)
<u>1.25 Meter Repeater</u> 224.580(-) MHz Tone 100.0, 1.6 MHz Offset	<u>Other Resources:</u> <u>APRS</u> 144.390 -- 1200 Baud W4GR
<u>70 Cm Repeaters</u> 444.525(+) MHz Tone 82.5 442.100(+) MHz Tone 100 442.325(+) MHz Tone 100	<u>D-STAR</u> WD4STR 145.060 + (1.4 MHz) 440.550 + (5 MHz)

**Don't forget
to support our
advertisers at the
back of the
GARzette.**

Snail Mail Address:
GARS
P.O. Box 492531
Lawrenceville, GA 30049

(Front Cover Image Courtesy of ICOM)

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by e-mail to editor@gars.org. Artwork can be accepted in most any graphics format and can be submitted via e-mail to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4Z XV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: editor@gars.org Bill Eggers—WB2RIS 470-238-9603



Analysis of Amateur Radio by the Numbers

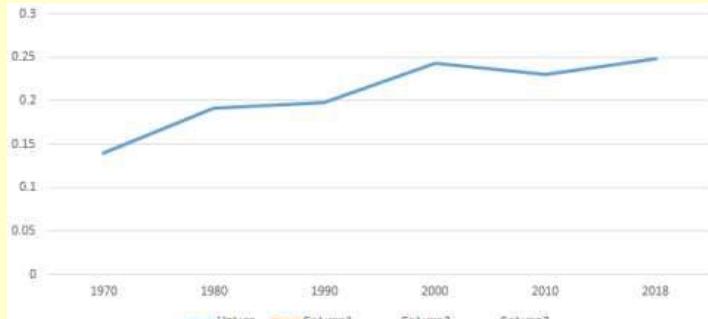
By Carl Davis, W8WZ

Unlike most ham radio operators, I am not employed in a high tech profession. In fact, my only formal electronics training was the Novice License Class I took at age 14. In my professional life in the philanthropic and financial service sectors I spend most of my time moving money, so my formal education revolves around that skill set. That means I spend a lot of time looking at numbers to see what stories they tell and what opportunities they present. I recently thought it would be interesting to look at some numbers as they relate to Amateur Radio as if it were a potential investment and see what stories those numbers might tell and what opportunities they may present.

There are more licensed Amateur Radio Operators in the United States now than at any other time in history! Wikipedia reports that there are currently 801,424 hams in the United States. That means 0.248% of the national population are hams. It is good to look at the total number of hams but it is even better to consider what percentage of the population are hams over a period of years. Looking at that trend is important because it will show us if the number of hams is simply growing because our population is growing or if a higher percentage of the population is interested in our hobby than before. So to answer that question let us look at the following data for the past 48 years which can be found at www.clearskyinstitute.com on arrl.org and courtesy of the US Census.

This is very good news for Amateur Radio. Not only are our absolute numbers rising but market share is also increasing. In 1970 only 0.14% of Americans were hams. Today 0.248% of Americans are hams. That is an increase of 77.14%.

The chart also shows that many people became hams in the 1970s and in the 1990s. That makes sense because in the 1970s many people entered the ham radio hobby after being introduced to radio through the CB craze of that era and in the 1990s many people entered ham radio when the Morse Code requirements were relaxed. In addition to that, our hobby has continued to grow since then. I think the lower cost of ham radio gear available today is helping to fuel that growth. Doubt-less there are many factors coming together to result in the growth of our hobby from 285,000 hams in 1970 to 801,424 hams today. The 48-year trend line shows a very healthy rate of steady growth and increasing market share that any company would be happy to have.



Excerpt from Raleigh Amateur Radio Society (RARS) Exciter newsletter, September 2018

GARS Membership Counts by License Class

License Class	Count
Novice	0
Technician	68
General	72
Advanced	9
Amateur Extra	114
TOTAL	263

This table shows the count of active FCC licenses held by individuals, as reported in the FCC's public data files.

Report includes FCC actions through Saturday, 04-Aug-2018

Class	Novice	Tech	Tech-Plus	General	Advanced	Extra	Total
TOTAL	8,593	382,302	0	175,069	40,284	146,390	752,638

As you can see, GARS has a higher percentage of Extra's than the National average. I think that is pretty impressive...

73 - *Dave*, W4DTR

GARS Member Recognition

Field Day Awards

Congratulations to the following GARS members for their efforts in making Field Day contacts!

- Ruth, KM4LAO—Most Phone Contacts, Field Day 2017; Most CW Contacts, Field Day 2017
- Leland, K9SDR—Most Digital Contacts, Field Day 2017
- Mike ND4V—Most CW Contacts, Field Day 2018
- John, WB4QDX—Most Digital Contacts, Field Day 2018
- (not pictured) Joe, AD4PZ—Most Phone Contacts, Field Day 2018



GARS Presentation

Randy, N4COR, GARS Program Manager, presents a certificate of appreciation to David, KJ4CMY, for his presentation “Getting Started in Amateur Radio”.



GARS Happenings

20 Years ago in the September 1998 GARzette:

- Several pictures from the GARS Family Picnic at Fort Yargo State Park in Winder;
- This month's "On The Air" feature John Kemker, KF4MZD;
- The ARES / SkyWarn article discussed the upcoming Simulated Emergency Test (SET) on October 3rd;
- Mary Whatley, WB4ALU, writes from an XYL's point of view about when she met "Mr. Ham";
- Yes, we worked the Dog Show back in 1998;
- Read about how hams score a victory, preventing a manufacturer of theft deterrent equipment from gaining access to Amateur Radio spectrum;
- The ICOM "Display-O-RV" pays a visit to a GARS meeting.

You can always browse the GARzette archive at <http://www.gars.org/newsletters>

73, *Bill*, WB2RIS, GARzette Editor



GARS Bylaws

The GARS Executive Committee has updated the address that appears on the top of the GARS Bylaws. Since this change does not affect the form, fit, or function of the document, nor its intent, it was not necessary for the change to be voted upon.

New GARS Address:

GARS
P.O. Box 492531
Lawrenceville, GA 30049

73 from the GARS Executive Committee

GARS HELP WANTED

Georgia QSO Party Chairperson - a volunteer is needed to organize and coordinate next year's Georgia QSO Party in April, 2019 and beyond. The chairperson will schedule the facility, recruit station captains and volunteers to organize food and antennas.

Winter Field Day (WFD) Chairperson -- a volunteer is needed to organize and coordinate next year's Winter Field Day operating event in January, 2019 and beyond. The chairperson will schedule the facility, recruit station captains and volunteers to organize food and antennas. The outgoing Chairperson (Dave, W4DTR) will train you if needed.

NEW TechFest Food Organizer—need someone to work with Sherryl Bailey N3MIU this year with the intention to take over from her next year. (Note this is not for organizing the Chili Cook-off)

NEW Elmer Chair—need someone to coordinate matching up Elmers (mentors) with new hams. (Perhaps you had one when you were a new ham?)

If you're interested in volunteering for one of these positions, please contact one of the GARS Officers. Supporting GARS activities is an important part of what we do and help from club members is needed.

[PS— Articles to publish in the GARzette, either written by GARS members or published elsewhere, are always welcome.
—Ed.]

Beginner's Corner

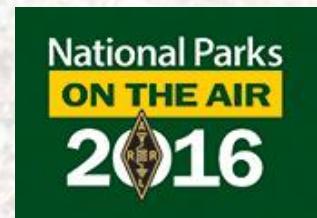
Taking your Radio on the Road

Autumn and cooler weather will soon be upon us. This means we no longer have to sweat it out when going outdoors. Time to take that new radio of yours outdoors!

It's nice to go to a local park and see who is on the air. Gwinnett County had a plethora of parks. The XYL (wife) and I have a desire to work all of the Gwinnett County Parks. This is a daunting task, but it brings us outdoors and we have a lot of fun talking to each other from different parts of the park, or talking to others when they have joined us. I am hoping for a "Worked All Gwinnett county Parks Award". Would anyone care to sponsor it?

The author has finally been able to get his base station ready to go portable. We have batteries and antennas galore to do this. Going portable is fun, and it does provide expertise during an emergency. With my handy-talkie, I can throw a J-pole antenna up in the air and work several VHF and UHF bands. I can also get on HF as well.

There are also several awards available for activating certain sites. For those of you who had your license in 2016, there was a National Parks on the Air (NPOTA) program, sponsored by the American Radio Relay League (ARRL) to celebrate the 100th anniversary of the National Park Service. <https://npota.arrl.org/>. it was an outstanding success! Many individuals and clubs (including GARS) activated national parks all around the country. Contacts were made on HF, as well as VHF and UHF, including satellite contacts. It was fun to do. The author went to the Chattahoochee River National Recreation Area twice. It was a lot of fun.



Someone decided that one year of national park activation was not enough. Now we have Parks on the Air (POTA) <https://parksontheair.com/>. This program is bigger than the original NPOTA, in that it includes state parks, as well. Wanna see what it's like? Go to YouTube and in the search box, type in "parks on the air". There are many well documented park activations. The author can watch them for hours.

If that isn't enough, there is a Summits on the Air program, <https://www.sota.org.uk/>, too. This one started in the UK and has spread worldwide. There are several places in Georgia that count as summits. A recent trip to the Kennesaw National Battlefield was a good site survey for a qualifying summit. Again, YouTube had a lot of fun videos of summit activations. Activate enough of them and you can become a "Mountain Goat".



The fun continues, because there is an Islands on the Air, <https://www.iota-world.org/>, and a Lighthouses on the Air, <http://arlhs.com/>, sponsored by The Amateur Radio Lighthouse Society. I hope to go into more detail about them in future columns.



"But wait," you say, "I am a new ham and I only have my handy-talkie (HT). How can I activate all these sites?" if you can rig some kind of external antenna, do so. Many contacts have been made on VHF and UHF frequencies. Going to a summit or the top of a lighthouse (Get permission first) gives you a very high antenna. That will dramatically increase your range. Plan your activation ahead of time and notify whatever "ota" group you plan to activate. Tell your friends and notify people on the club reflectors that you are going. There is also a web site called DX Summit, <http://www.dxsummit.fi/> where you should be able to "spot" yourself. I don't know if they will accept VHF/UHF spots, but it's worth trying. Stay on the calling frequencies of whatever bands you are authorized. Remember, technicians have 6 and 10 meter privileges, so those bands might work as well.

Happy activating!

73 de *David Harden, KJ4CMY*

Gwinnett ARES Highlights

By Karen Whited, AB4NW

Meetings are held the 4th Tuesday at 7:30pm at the Emergency Operations Center on Hi Hope Road. Contact Hall Collier W4IGE for further information.

GMC-DULUTH IS OPERATIONAL

After a very long process working with Gwinnett Medical Center and some very hard work by Larry Whited AB4NX, Mark Bell N7GRB, Neal Gilchrist W4HNG, and Charlie Allport WS4TOT, the Duluth hospital now has a fully functional amateur radio station right on the first floor. Plenum grade Coax runs to the roof where a MyAntenna 80m resides along with a Comet NP-95 vertical 2M/70CM/1200 antenna. The station's cabinetry was built by Paul Kelley W4KLY and features an IC-2820 and FT-450D. The station is identical to those at GMC in Lawrenceville and Eastside Medical Center and had its inaugural check in to the monthly Georgia ARES Hospital Network on August 5.



AUGUST MEETING (Cont'd)

We also heard from Edwin Whitworth, KJ4KKB who is employed with GEMA as a Statewide Interoperability Coordinator and ESF-2 (Emergency Support Function)



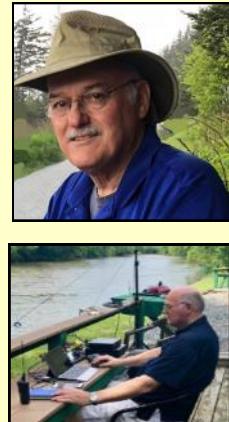
communicator. Frank discussed the ARRL's new 3-level standard for ARES training requirements. Edwin described the new AuxComm workshop and other training opportunities offered by GEMA. An overview of the upcoming October 6 SET (Simulated Emergency Test) was given. GEMA is looking forward to moving into their new state operations center in September.

MEMBER PROFILE: *Mark Bell N7GRB*

Mark lives in Suwanee and is originally from Irlam UK (near Manchester). He is married to Cindy and has two daughters: Julie in Buford and Kathryn in Germany. He was first licensed as a Tech in 1984 and became a General in 1986. He has been a member of ARES and GARS for about a year, enjoys being part of the ARES Hospital Net Team, and likes working with FT8.

Mark earned a BA in math with computer science emphasis from The Citadel and an MS in computer science from the University of South Carolina. He served with the Civil Air Patrol and Coast Guard Auxiliary. He has 30+ years of experience in operating systems and security applications for both Fortune 500 companies as well as startups. He holds certifications as a Project Management Professional and Computer Information System Security Professional. He currently works part time for Horizon Baptist Church. Mark's shack includes an IC-7100 with an end-fed 10m-80m multi-band. HOA rules limit him to an 8-ft mast with a Slim Jim for VHF/UHF. For portable operations, he has a tripod-mounted 6-80m Alpha Military 2.0. His other hobbies include

motorcycling, videography, and model railroading. Check out his YouTube videos ([Suwanee4me](#)).



AUGUST MEETING

Our August meeting featured Frank Dean, K4SJR, Georgia Section Emergency Coordinator, updating the members on initiatives at the State level and ARES changes within the ARRL. Frank is president of the Jasper Radio Club and the Emergency Coordinator for Pickens County ARES.

Net Managers Corner

Monday Night 2 Meter “Want, Swap, Sell, and Information Net”

GARS NEEDS MEMBERS TO SERVE AS NET CONTROL STATIONS!

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. Weekly participation is needed to make our net function well. There is only a small group of very dedicated people that make the net happen each week, and we need more members to volunteer to serve as Net Control Stations (NCS) on a rotating basis.

Out of almost 300 members, there are only fifteen primary people who serve as NCS for the GARS net every Monday night. In no particular order, they are:

Norm - WA4ZXV	Kyle - W4KDA	Mitch - N0DIM
Ruth - KM4LAO	Hal - W4IGE	Don - KW4AL
Ray - N4GYN	Sandy - KJ4DRO	John - WB4QDX
Bill - KK4AUA	David - KK4KAF	Kevin - KK4WOG
Chuck - KK4TKJ	Mike - KK4KHS	Donna - KM4FMW

As GARS Net Manager (Chuck KK4TKJ), I really need 26 people to fill NCS positions. I do plan and post the schedule months in advance. Any conditions will be accommodated that you as a rotating NCS need to place on the scheduling of your duties. If your plans change, I can make adjustments for the schedule to work, and I will make those changes happen as soon as I am notified of a problem. As Net Manager, I also send out reminders each week to let the NCS scheduled know he or she is NCS for the next Monday night net. In short, serving as a rotating NCS is a small duty but a great contribution to the club.

The “Want, Swap, Sell Information Net” begins promptly at 19:30 every Monday night and runs about 45 minutes. As a scheduled NCS, you will request the assistance of a volunteer alternate NCS each time you have Net Control. Your simple duties will be to tune in to the GARS repeater, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at KK4TKJ@arrl.net. Sign up to help support the effort that makes GARS the great club that it is.

73 and see you on the Nets!

Chuck McCord, KK4TKJ

GARS Net Manager

GARS Membership Page

New GARS Members in August

Jonathan Dorminy (KN4LGM)
Paul England (KA4PQL)
Kevin Grado (KN4ODT)
Donald Grier (KN4NGT)
Robert LaBerge (KC4BI)

New Members: 5

Total Members as of September 1, 2018
312

Join GARS members for our weekly breakfast gathering at 7:30 AM most Saturdays

at

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043

[**\(Directions\)**](#)

The following members are celebrating birthdays in September:

HAPPY BIRTHDAY!!
From All of Us at GARS

Mary Bachner (KE4MFZ)
Jackson Britt (KM4PTV)
Richard Canova (KN4CGJ)
Mark Collins (WJ4ORG)
Pierre Decatre (WB1EZK)
James Drumm (N2FOF)
Jim Farmer (K4BSE)
Roger Gibson (WB4T)
Neal Gilchrist (W4HNG)
Fred Hoefler (W3TLC)
Richard Kitz (KM4SWL)
Cal Ludwick (KM4VDA)
Charles McElhannon (KM4QVI)
Jake Paul Pannell (K4XRA)
Patrick Pike (KJ4AXD)
Manuel Romero (KD4LXR)
Donald Stewart (KW4AL)
John Stockinger (KC4RFK)
Richard Waigand (K4KME)
Joseph Wilson (KN4KBH)
Carter Wood (AG4LK)
Carl Wulfestieg (WZ4CW)

GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter e-mail towards the bottom of the message.

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new e-mail address, new phone number, etc.), please e-mail the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chair: Karen Albritton, KI4HPP
Committee Members: Dave Bruse, W4DTR, Pam Meridy, WB1AKQ

EXTRA! EXTRA!

Repeater Status

6M	currently down
147.075	Operational in Snellville
147.255	Operational in Snellville
224.580	Operational in Grayson
442.100	Operational at Goshen Springs
442.325	Operational in Buford
444.525	Operational in Snellville

Link remote receivers being added

L&M Mobility

Robert (Mike) Smith
5191 La Paloma Dr.
Lilburn, GA 30047
Phone (404)-509-3104
Smithrm70@hotmail.com

SERVICE & REPAIR
Power Chairs • Lift Chairs • Scooters

GARS on Social Media

GARS has moved from Yahoo Groups
to Groups.io!

If you were subscribed to the
Yahoo group, you have been automatically
enrolled in Groups.io!



Join GARS on Groups.io:
<http://qars.org/groups.io>

Vis-



it GARS on Facebook:
<http://qars.org/facebook>



Join GARS on YouTube:
<http://qars.org/youtube>



Follow GARS on Twitter:
<http://qars.org/twitter>

G A R S Volunteers

OFFICERS

John Davis, President	WB4QDX	
Sandy Jackson, Vice President	KJ4DRO	
Joe Biddle, Secretary	AD4PZ	
Pam Meridy, Treasurer	WB1AKQ	
Randy Collins, Program Manager	N4COR	

COMMITTEE CHAIRS

Karen Albritton, Membership Chair and Public Information Officer	KI4HPP	
Dave Bruse, VE Team & Workshop Leader and Winter Field Day Chair	W4DTR	
David Adcock, Webmaster and Field Day Chair	KA4KKF	
Ralph Pickwick, Apparel Manager and Education Chair	KJ4CNC	
Neal Gilchrist, TechFest Chair	W4HNG	
Bill Eggers, GARzette Editor	WB2RIS	
Eddie Foust, Repeater Chair	WD4JEM	
Mike Weathers, WAS-Checker and Historian	ND4V	
Chuck McCord, Net Manager	KK4TKJ	
Mike Swiderski, Technical / RFI Advisor	K4HBI	
Pam Meridy, GA QSO Party Chair	WB1AKQ	
Kyle Albritton, Multimedia Chair	W4KDA	

DIRECTORS AND TRUSTEES

Kyle Albritton	W4KDA	
Mike Weathers	ND4V	
Rick Cobb	N4XYY	
Bill Cherepy, W4GR Trustee	WB4WTN	

GARS MEETING MINUTES

Gwinnett Amateur Radio Society – GENERAL Meeting Minutes 8/14/2018

**President John Davis (WB4QDX) Opened the meeting at 7:00pm and Closed the meeting at 8:45pm
EAA Facility, 690 Hanger Rd. Lawrenceville, GA.**

Introductions and Visitors: Visitors were recognized and full Introductions of the [58] attendees followed.

Treasurer: Pam Meridy (WB1AKQ) Gave the Club financial report.

Membership Report: Karen Albritton (KI4HPP) reported by Dave (W4DTR) that Membership is at [312].

Program Chair: Randy Collins (N4COR)

Upcoming Programs:

- September EAA
- October Show and tell
- November Bouvet DXpedition
- December GARS Christmas Party
- January 2019 Radio Navigation

GARS Workshop Program: David (W4DTR) outlined the next few workshop sessions coming up:

- September Introduction to D-STAR

Fund Raiser:

- David (KA4KKF) exclaimed the up coming Dog show
- John (WB4QDX) reminds us of the 'Smiles' program. <https://smile.amazon.com/program> where GARS benefits from your Amazon purchases. Go to the link, Search for 'Gwinnett Amateur Radio Society' and chose us to be your recipient.
- Dave (W4DTR) mentions too about the benefits GARS receives from your Kroger purchases as well.

GARS Scholarship:

\$1,000 GARS Scholarship - John (WB4QDX) announced the 2018 recipient is Emily Wilbourn (KM4JXB) of Buford, GA.

\$500 L. Phil and Alice J. Wicker Scholarship – John also announced that very own Ruth Willet (KM4LAO) was the recipient.

\$1,500 Hiram Percy Maxim Award – Dave (W4DTR) announced Ruth was the recipient of this award as well.

Event Jamboree on the Air - Steve (WB2OGY) reminds us of this event happening on the **3rd Saturday in October.**

Break:

Program: New License, now what? By David Harden (KJ4CMY)

Submitted by: **Joe Biddle (AD4PZ) GARS Secretary**

ARRL CONTESTING INFO

From ARRL Contest Calendar

> For more information click the links <

September 2018

8-10 [September VHF](#)
15-16 [10 GHz & Up—Round 2](#)
29-30 [EME - 2.3 GHz And Up](#)

October 2018

15-19 [School Club Roundup](#)
27-28 [EME - 50 to 1296 MHz](#)

November 2018

24-25 [EME - 50 to 1296 MHz](#)
3-5 [Nov. Sweepstakes – CW](#)
17-19 [Nov. Sweepstakes – Phone](#)
30 [160 Meter \(Day 1\)](#)

December 2018

1-2 [160 Meter \(Days 2 and 3\)](#)
8-9 [10 Meter](#)
16 [Rookie Roundup—CW](#)

January 2019

1 [Straight Key Night](#)
5 [Kid's Day](#)
5-6 [RTTY Roundup](#)
19-21 [January VHF Sweepstakes](#)

February 2019

11-15 [School Club Roundup](#)
16-17 [International DX – CW](#)

March 2019

2-3 [International DX– Phone](#)

April 2019

14 [Rookie Roundup – Phone](#)

June 2019

8-10 [June VHF](#)
15 [Kid's Day](#)
22-23 [Field Day](#)

July 2019

13-14 [IARU HF World Championship](#)

For more information:

<http://www.arrl.org/contest-calendar>

HAMFEST CALENDAR

09/15/2018 | [Byron Hamfest](#)

Location: Byron, GA
Type: ARRL Hamfest
Sponsor: Central Georgia Amateur Radio Club
Website: <http://WA4ORT.com>

09/21/2018 | [W4DXCC DX and Contest Convention](#)

Location: Pigeon Forge, TN
Type: ARRL Convention
Sponsor: SouthEastern DX and Contesting Organization (SEDCO)
Website: <http://W4DXCC.com>

09/29/2018 | [Covington Hamfest](#)

Location: Covington, GA
Type: ARRL Hamfest
Sponsor: Newton County Radio Club
Website: <http://ncrcga.org>

10/27/2018 | [LaGrange Hamfest](#)

Location: LaGrange, GA
Type: ARRL Hamfest
Sponsor: LaGrange Amateur Radio Club
Website: <http://www.lagrangeradioclub.org>

11/03/2018 | [Georgia Section Convention \(Stone Mountain Hamfest\)](#)

Location: Lawrenceville, GA
Type: ARRL Convention
Sponsor: Alford Memorial Radio Club
Website: <http://stonemountainhamfest.com/>

11/10/2018 | [HamJam 2018 Convention](#)

Location: Alpharetta, GA
Type: ARRL Convention
Sponsor: North Fulton Amateur Radio League
Website: <http://hamjam.info>

For more information:

<http://www.arrl.org/hamfests-and-conventions-calendar>

Note: When searching by division, remember some states adjacent to GA are in different divisions:

Southeastern: GA, AL, FL Delta: TN Roanoke: NC, SC

GARS Events Calendar for 2018 & 2019

GARS Recurring Calendar

Dog Show Fundraisers	Feb 1-4, August 23-26
Tech HamCrams	March 31, October
TechFest (www.techfest.info)	January 26, 2019
Winter Field Day	January 27 & 28
Georgia QSO Party	April 14 & 15
North metro area Fox Hunt	April 7
May Madness	May 4—13
Memorial Day Parade	May 28
ARC/KARC Hamfest	June 2
Field Day	June 23 & 24
General HamCram	July 21 & 28
JOTA	October 20
Maker Faire	October
Stone Mt. Hamfest	November 3 & 4
Christmas Party	December

**No October GARS Speaker:
Show and Tell
by GARS Members**

- ◆ 2nd Tuesday of the month at 7 pm (except December): Monthly Club Meeting
- ◆ 3rd Tuesday of the month at 7 pm (except December): Monthly Workshop
- ◆ 2nd Sunday of the Month at 2 pm: [GARS Ham Exam Session](#)
Fire Station #24
2735 Mall of Georgia Blvd
Buford, GA 30519
- ◆ Every Monday at 7:30 pm: GARS Want, Swap, Sell, and Information Net on the GARS 147.075 MHz repeater
- ◆ Every Monday at 8:30 pm: ARES Training on the GARS 147.075 MHz repeater
- ◆ Most Saturdays at 7:30 am: GARS Weekly Breakfast
Golden Corral Restaurant
2155 Riverside Parkway,
Lawrenceville, GA 30043

GARS CALENDAR OF EVENTS FOR SEPTEMBER 2018

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
August 26 6am-2pm 2 shifts Dog Show Fund Raiser ATL Expo Center	August 27 7:30 - 8:00 pm GARS 2m Net	August 28	August 29	August 30	August 31	1 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
2	3 7:30 - 8:00 pm GARS 2m Net Happy Labor Day!!	4	5	6	7	8 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
9 GARS VE Team Testing Session Starts at 2:00 pm Gwinnett Co. Fire Station #24	10 7:30 - 8:00 pm GARS 2m Net	11 5:00 - 6:30 pm Dinner 7:00 - 9:00 pm GARS Meeting	12	13	14	15 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
16	17 7:30 - 8:00 pm GARS 2m Net	18 5:00 - 6:30 pm Dinner 7:00 - 9:00 pm GARS Workshop	19	20	21	22 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
23/30	24 7:30 - 8:00 pm GARS 2m Net	25	26	27	28	29 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive

Metro Testing Sessions

GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at <http://www.arrl-ga.org>.

First Sunday, ODD Months

2 pm (Jan, Mar, May, Jul, Sep, & Nov)
VEC: WCARS
Braselton Public Utility Building
4986 Highway 53, Braselton, GA
Contact: Roger Gibson, WB4T
(770) 271-4210 or (770) 712-9560
w4rlg@bellsouth.net

First Sunday, EVEN Months

2 pm (Feb, Apr, Jun, Aug, Oct, Dec)
VEC: WCARS
Hall County EOC
470 Crescent Dr. Gainesville, Ga.
Contact: Perry Roper, KO4RD
(770) 536-3056

Second Saturday

10:00 AM
Alpharetta North Park, Adult Activities Center
13450 Cogburn Rd, Alpharetta, GA 30004
Contact: Ian Kahn, KM4IK
E-mail: km4ik.ian@gmail.com

Third Saturday, ODD Months

VEC: ARRL
9:30 am (Appointments required, no walk-ins)
Stone Mountain Masonic Lodge
840 VFW Drive
Stone Mountain, GA 30083
Contact: Frank Haynes, KV4SP
Email: fhaynes@vatmom.net
(678) 467-3712

Second Sunday

VEC: W5YI
2 pm
Fire Station #24
Mall of Georgia Boulevard
Buford, GA 30519
Contact: Dave Bruse, W4DTR
E-mail: exams@gars.org

Third Saturday

VEC: W5YI
2 pm @ Barrow Co. Emerg. Serv. Bldg
66 McElroy Street
Winder, GA 30680
Contact: Steve Donellan, N5SMD
(404) 520-0368
E-mail: n5smd@comcast.net

(cont. next column)

Ham Exam Results

August Results

We had two applicants for the August 12 test session. Both passed, resulting in one new Technician and one upgrade to General.

Special thanks to the VE's who made this possible.

Sid, N4NQ (Co-CVE)
Pam, WB1AKQ
Russell, KN4CGO
Steve, WB2OGY
Frank, KV4SP
Don, KK4NJM (Co-CVE)
Richard, KM4SWL
Allison, AB4YL
Dale, AE8DL
Gregg, W1ROO
Dave, W4DTR (CVE)

73, Chuck, KK4TKJ
(Co-CVE)

GARS VE Team Leaders
E-mail: exams@gars.org

GARS VE Website:
<http://gars.org/exams>

Fourth Tuesday

ARRL VEC
7 pm @ United Way Service Center
6279 Fairburn Rd., Douglasville
Contact: Jessie Clower, KB4WFK
(770) 942-6466

Fourth Sunday

2:30 pm Georgia Tech
VanLeer Elec. Building
Rm. W218, 777 Atlantic Dr.
For more information go to
www.w4aql.com and click on "Test Sessions"

Metro Club Meetings

First Tuesday

Kennehoochee ARC
Downtown Marietta
Fire Station #1, Training Room
112 Haynes Street
Marietta, Georgia 30060
Meeting begins at 7:00pm
Talk In 146.880(-)

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30pm
Talk In -146.820(-)

N.E. Georgia ARC
Commerce Public Library
1344 South Broad Street, Commerce
Meeting is at 6:30pm
Talk In - 147.225(+), PL 123.0

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00pm

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Annistown Rd & Spain Rd
Stone Mountain
Dinner at 6:00pm, Meeting at 7:30pm
Talk In - 146.760(-)

Second Saturday

North GA QRP Club
Board Room of The Shepherd Center
2020 Peachtree Rd, NW, Atlanta
at 10:00 AM

Third Tuesday

North Fulton Amateur Radio League
Alpharetta Recreation & Parks Dept
Alpharetta Adult Activity Center
13450 Cogburn Road
Alpharetta, GA 30004
meeting at 7:30pm
Talk In - 145.47(-)

For more information, go to:

<http://www.gars.org/>

Serving You From Coast to Coast and Around the World



Order Toll-Free From a Location Near You

Or Take Advantage of Secure 24-Hour Ordering:

<http://www.hamradio.com>



If your closest 800 number is busy, please call one of our other numbers.

Phone Hours: 9:30 am to 5:30 pm Monday – Saturday

All Stores Open 10am - 5:30pm Monday - Saturday

24-Hour FAX Order Lines at all Store Locations



ATLANTA, GA 30340

6071 Buford Hwy, Doraville

1 mile north of I-285

(770) 263-0700

(800) 444-7927

24 Hour FAX (770) 263-9548

Email: atlanta@hamradio.com

Manager:
Mark KJ4VO
David AI4XL
Denise
Josh W4JDH
Jim N1ABM
James KK4WNX
Ken KI4BQS
Ray W4GQQ
Harold KD8DVY

Toll Free Numbers:

Northeast (800) 644-4476

West (800) 854-6046

Southeast (800) 444-7927

Mountain (800) 444-9476

Mid-Atlantic (800) 444-4799

New England (800) 444-0047



Ham Radio Outlet App available at:



INTERBOROREFRIGERATION
HVAC/R

All branch Ice Machine Walk-in Box Cooler

Licensed by E.P.A.

Central A/C - Heater and Water Heater

All Commercial Refrigeration Systems

Ice Cream Freezer

All Jobs Guaranteed

30 years of Experience

Address: 470 Bay lake pass, Lawrenceville, GA 30046

Tel.: 670-816-8744

Email: cel-piloto52@hotmail.com

Finally
A clog-free gutter
with no fine print.

The Real GUTTER PROTECTOR
NO CLOGS, NO OVERFLOW, GUARANTEED.

You'll never have to clean your gutters again. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. <http://www.realgutterprotector.com>

Atlanta, Georgia - (770) 630-1582

Real Estate Broker



SHARON ADCOCK

*CRS, GRI, e-Pro,
Relocation Expert,
Associate Broker*

www.SharonAdcock.com
2920 Ronald Reagan Blvd
Cumming, GA 30041



Buying* Selling* Investing
For Any Real Estate
Matters

There has never been a
better time to invest in Real
Estate

**Inventory is LOW
It's a Seller's Market**

Sharon@
SharonAdcock.com
Cell: 404-428-9127
eFax 678-679-1383